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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Thumpudi et al.

Art Unit: Not yet assigned

Application No. Not yet assigned

Filed: August 15, 2003

For: MULTI-CHANNEL AUDIO ENCODING

AND DECODING

Examiner: Not yet assigned

Date: August 15, 2003

## <u>INFORMATION DISCLOSURE STATEMENT</u> <u>PURSUANT TO 37 C.F.R. § 1.97(b)</u>

MAIL STOP PATENT APPLICATION COMMISSIONER FOR PATENTS P.O. BOX 1450 ALEXANDRIA, VA 22313-1450

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Applicants filed this Information Disclosure Statement ("IDS") within three months of the filing date of a national application, within three months of the date of entry of the national stage as set forth in § 1.491 in an international application, before the mailing date of a first Office action on the merits, or before the mailing of a first Office action after the filing of request for continued examination under § 1.114. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicants to file this IDS,

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The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in Rule 56.

Respectfully submitted,

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## Attorney Docket Number 3382-65133 **Application Number** Not yet assigned August 15, 2003 **Filing Date** INFORMATION DISCLOSURE STATEMENT Thumpudi et al. First Named Inventor BY APPLICANT **Art Unit** Not yet assigned **Examiner Name** Not yet assigned U.S. PATENT DOCUMENTS Examiner's Cite No. Date Name Number (optional) Initials\* 5,845,243 12.01.98 Smart et al. 5,995,151 11.30.99 Naveen et al. 6,115,689 09.05.00 Malvar FOREIGN PATENT DOCUMENTS Examiner's Cite No. Number Date **Country** (optional) Initials\* Examiner's Cite No. **OTHER DOCUMENTS** (optional) Initials\* Yang et al., "An Inter-Channel Redundancy Removal Approach for High-Quality Multichannel Audio Compression," in AES 109<sup>th</sup> Convention, Los Angeles, California, 8 pp. (September 2000). Wang et al., "A Multichannel Audio Coding Algorithm for Inter-Channel Redundancy Removal," in AES 110<sup>th</sup> Convention, Amsterdam, the Netherlands, 6pp. (May 2001). Yang et al., "Adaptive Karhunen-Loeve Transform for Enhanced Multichannel Audio Coding," Proc. SPIE Vol. 4475, 13 pp., Mathematics of Data/Image Coding, Compression, and Encryption IV San Diego, CA. (July 29 - August 3, 2001). Vaidyanathan, Multirate Systems and Filter Banks, Prentice Hall Signal Processing Series, Cover page, pp. 745-751 (1992). "MPEG2 Audio for DVD: the Compromise Choice," 5 pp. (October 1996). Edler et al., "Perceptual Audio Coding Using a Time-Varying Linear Pre- and Post-

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<sup>\*</sup> Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

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BY APPLICANT	First Named Inventor	Thumpudi et al.
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	Examiner Name	Not yet assigned
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Improvement Techniques in an Audio Encoder," filed December 14, 2001.		
Chen et al., U.S. Patent Application Serial No. 10/017,694, entitled, "Quality and Rate		
Control Strategy for Digital Audio,"	filed December 14, 2001.	

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